

DEVICE FOR CONNECTING TOGETHER A ROLLER SCREW AND
ROLLER NUT ASEMBLY TO A STATIONARY AND MOVING MEMBER

ABSTRACT

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A device for connecting together a vertically disposed roller screw and roller nut assembly to a stationary member and moving member includes a bearing housing attached onto a fixed end 10 of the roller screw. The bearing house includes at least one bearing and two bearing house pivots. A first universal ring concentrically surrounds the bearing housing and includes two mating pivots mated with the two bearing house pivots and two attachment 15 pivots mated with corresponding pivots of the stationary member. A roller nut mount rigidly attaches to the roller nut and includes two roller nut mount pivots. A second universal ring concentrically surrounds the roller nut mount. The 20 second universal ring includes two mating pivots mated with the two roller nut mount pivots and further includes two attachment pivots mated with corresponding pivots of the moving member.

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